

09/987464

STN

=> d his

(FILE 'HOME' ENTERED AT 07:02:41 ON 13 MAR 2003)

FILE 'REGISTRY' ENTERED AT 07:03:47 ON 13 MAR 2003

L1 SCREEN 1006 AND 2009 AND 1953  
L2 STRUCTURE UPLOADED  
L3 QUE L2 AND L1  
L4 4 S SAM SSS L3  
L5 34 S SSS FULL L3

} attached ✓

FILE 'HCAPLUS' ENTERED AT 07:07:38 ON 13 MAR 2003

L6 395 S L5  
L7 67 S L6 AND TONER#

FILE 'REGISTRY' ENTERED AT 07:08:51 ON 13 MAR 2003  
E POLYESTER/PCT

L8 3 S E3 AND L5

FILE 'HCAPLUS' ENTERED AT 07:10:24 ON 13 MAR 2003

L9 1 S L8 AND TONER#  
SAVE L7 A464REG/A  
DEL SAVE  
SAVE L7 A464TONER/A

FILE 'REGISTRY' ENTERED AT 07:14:21 ON 13 MAR 2003  
SAVE A464REG/A L5

FILE 'HCAPLUS' ENTERED AT 07:33:36 ON 13 MAR 2003

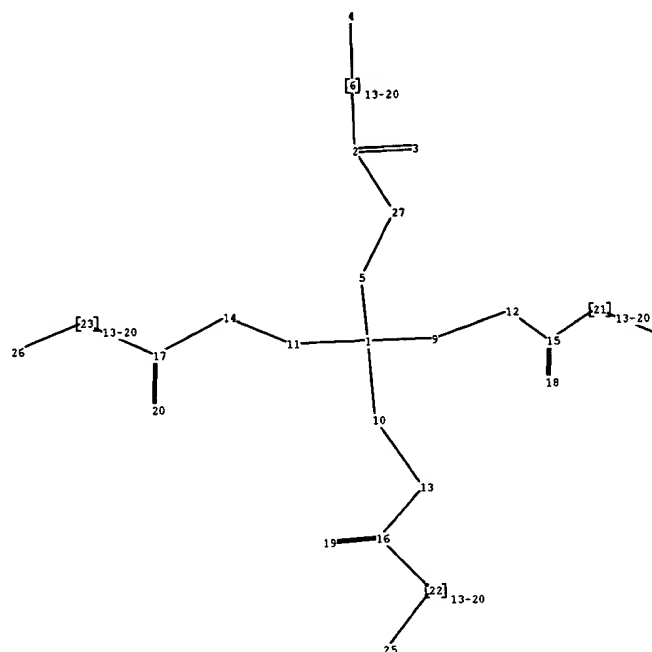
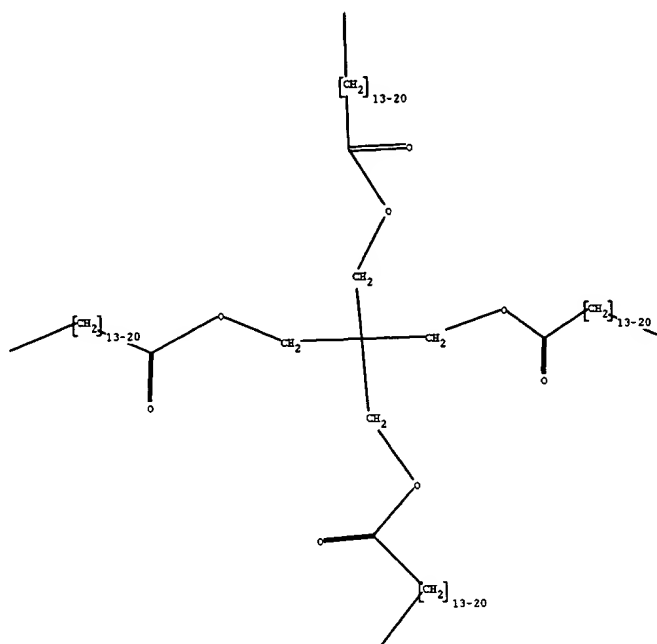
L10 0 S L7 AND CHLOROFORM  
L11 3 S L7 AND POLYPROPYLENE#

FILE 'STNGUIDE' ENTERED AT 07:34:25 ON 13 MAR 2003

FILE 'HCAPLUS' ENTERED AT 07:38:08 ON 13 MAR 2003

L12 22 S L7 AND POLYESTER#  
L13 12 S L12 AND (TEREPHTHAL? OR ISOPHTHAL?)

FILE 'STNGUIDE' ENTERED AT 07:40:38 ON 13 MAR 2003



chain nodes :

1 2 3 4 5 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26  
27

chain bonds :

1-5 1-9 1-10 1-11 2-6 2-3 2-27 4-6 5-27 9-12 10-13 11-14 12-15 13-16 14-17  
15-21 15-18 16-22 16-19 17-23 17-20 21-24 22-25 23-26

exact/norm bonds :

2-3 2-27 12-15 13-16 14-17 15-18 16-19 17-20

exact bonds :

1-5 1-9 1-10 1-11 2-6 4-6 5-27 9-12 10-13 11-14 15-21 16-22 17-23 21-24  
22-25 23-26

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 9:CLASS 10:CLASS 11:CLASS  
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS  
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS

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=> d fbib

L9 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS  
AN 1999:311374 HCAPLUS  
DN 130:330545  
TI Electrophotographic **toner** and **toner** binder therefor  
IN Nakanishi, Hideo; Fukushima, Hajime  
PA Sanyo Chemical Industries, Ltd., Japan  
SO PCT Int. Appl., 75 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9923534	A1	19990514	WO 1998-JP4912	19981030
W: CN, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
PT, SE				
			JP 1997-315801 A	19971031
			JP 1997-315802 A	19971031
			JP 1997-315803 A	19971031
			JP 1997-315804 A	19971031
			JP 1997-333610 A	19971117
			JP 1997-333611 A	19971117
			JP 1997-333612 A	19971117
JP 11133665	A2	19990521	JP 1997-315801	19971031
JP 11133666	A2	19990521	JP 1997-315802	19971031
JP 11133667	A2	19990521	JP 1997-315803	19971031
JP 11133668	A2	19990521	JP 1997-315804	19971031
JP 11149179	A2	19990602	JP 1997-333610	19971117
JP 11149180	A2	19990602	JP 1997-333611	19971117
JP 11149181	A2	19990602	JP 1997-333612	19971117
EP 1026554	A1	20000809	EP 1998-950456	19981030
R: DE, FR, GB				
			JP 1997-315801 A	19971031
			JP 1997-315802 A	19971031
			JP 1997-315803 A	19971031
			JP 1997-315804 A	19971031
			JP 1997-333610 A	19971117
			JP 1997-333611 A	19971117
			JP 1997-333612 A	19971117
			WO 1998-JP4912 W	19981030
US 6326115	B1	20011204	US 2000-530271	20000428
			JP 1997-315801 A	19971031
			JP 1997-315802 A	19971031
			JP 1997-315803 A	19971031
			JP 1997-315804 A	19971031
			JP 1997-333610 A	19971117
			JP 1997-333611 A	19971117
			JP 1997-333612 A	19971117
			WO 1998-JP4912 W	19981030
RE.CNT 13	THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD			
	ALL CITATIONS AVAILABLE IN THE RE FORMAT			

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L9 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS  
IT **223916-58-3P**, Dimethyl terephthalate-ethoxylated bisphenol  
A-pentaerythritol tetrabehenate copolymer **223916-62-9P**,

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Ethoxylated bisphenol A-isophthalic acid-pentaerythritol tetrabeheenate  
copolymer

RL: PNU (Preparation, unclassified); TEM (Technical or engineered material  
use); PREP (Preparation); USES (Uses)  
(electrophotog. **toner** binder)

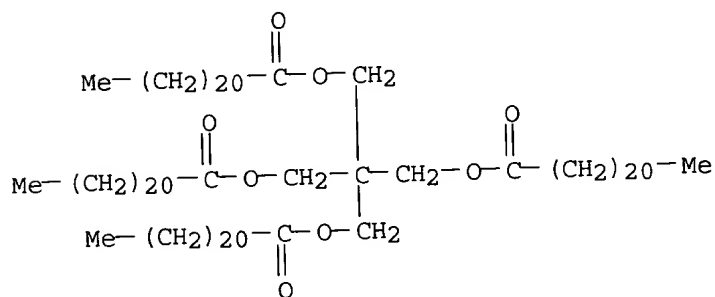
RN 223916-58-3 HCAPLUS

CN 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with  
2,2-bis[[[(1-oxodocosyl)oxy]methyl]-1,3-propanediyl didocosanoate and  
.alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenylene]bis[.omega.-  
hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 61682-73-3

CMF C93 H180 O8

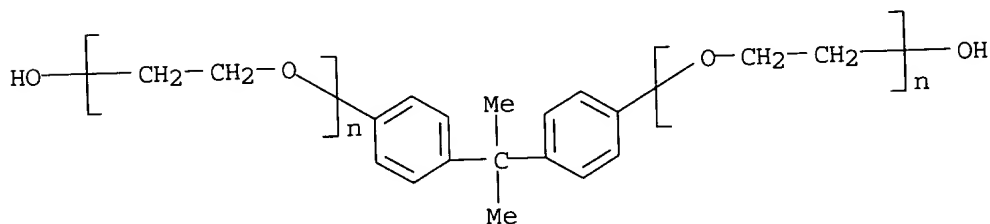


CM 2

CRN 32492-61-8

CMF (C<sub>2</sub> H<sub>4</sub> O)<sub>n</sub> (C<sub>2</sub> H<sub>4</sub> O)<sub>n</sub> C<sub>15</sub> H<sub>16</sub> O<sub>2</sub>

CCI PMS

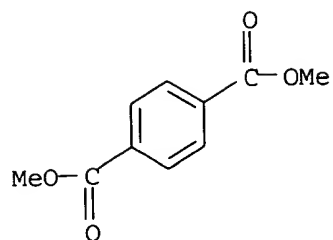


CM 3

CRN 120-61-6

CMF C<sub>10</sub> H<sub>10</sub> O<sub>4</sub>

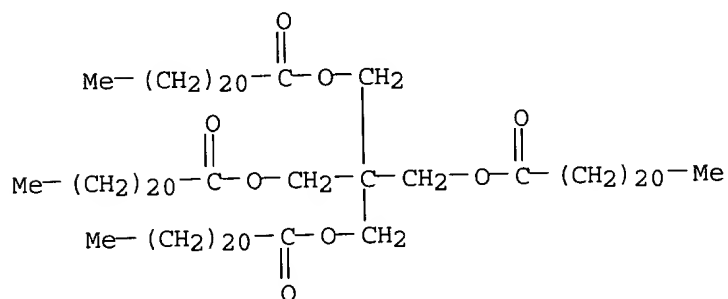
09/987464



RN 223916-62-9 HCAPLUS  
 CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-bis[[(1-oxodocosyl)oxy)methyl]-1,3-propanediyl didocosanoate and .alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenylene]bis[.omega.-hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

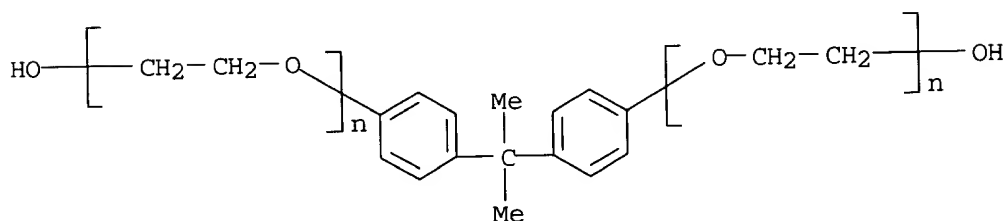
CM 1

CRN 61682-73-3  
 CMF C93 H180 O8



CM 2

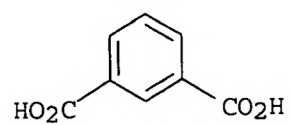
CRN 32492-61-8  
 CMF (C2 H4 O)n (C2 H4 O)n C15 H16 O2  
 CCI PMS



CM 3

CRN 121-91-5  
 CMF C8 H6 O4

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	Type	L #	Hits	Search Text	DBs	Time Stamp
1	IS&R	L1	730	((430/108.4) or (430/109.4)).CCLS.	USPAT; US-PG PUB	2003/03/11 14:01
2	IS&R	L2	305	(430/108.4).CCLS.	USPAT; US-PG PUB	2003/03/11 15:04
3	BRS	L3	253	polypropylene with (ester adj1 wax\$2)	USPAT; US-PG PUB	2003/03/11 14:55
4	BRS	L4	0	polypropylene with (ester adj1 wax\$2) and toner	EPO; JPO; DERW ENT	2003/03/11 14:57
5	BRS	L5	80	polypropylene with (ester adj1 wax\$2) same toner	USPAT; US-PG PUB	2003/03/11 15:00
6	BRS	L6	64	l2 and 430/108.8.ccls.	USPAT; US-PG PUB	2003/03/11 15:21
7	BRS	L7	53	l6 and polypropylene	USPAT; US-PG PUB	2003/03/11 15:50
8	IS&R	L8	1	("6139212").PN.	USPAT; US-PG PUB	2003/03/11 15:50
9	IS&R	L9	1	("6193212").PN.	USPAT; US-PG PUB	2003/03/11 15:50
10	IS&R	L10	1	("6193121").PN.	USPAT; US-PG PUB	2003/03/11 15:50
11	BRS	L11	265	unno-\$in.	USPAT; US-PG PUB	2003/03/11 15:51
12	BRS	L12	27	toner and l11	USPAT; US-PG PUB	2003/03/11 15:53
13	BRS	L13	564	pentaerythritol near2 (stearate or tetrastearate)	USPAT; US-PG PUB	2003/03/11 15:54
14	BRS	L14	24	toner and l13	USPAT; US-PG PUB	2003/03/11 16:01

EAST

	Type	L #	Hits	Search Text	DBs	Time Stamp
15	BRS	L15	425	430/109.4.ccls. not l2	USPAT; US-PG PUB	2003/03/11 16:03